

## ARIZONA DEPARTMENT OF WATER RESOURCES

DEPARTMENT OF WR

Operations Division  
500 North 3rd Street  
Phoenix, Arizona 85004

JUN 29 1995



M-11-66

OPERATIONS DIV.

## WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: MAGMA COPPER COMPANY  
Address: 14605 WEST HUNT HIGHWAY FLORENCE AZ 85232  
Street City State Zip
2. Driller Name: STEWART BROTHERS DRILLING CO.  
Address: P.O. BOX 2067 MILAN NM 87021  
Street City State Zip
3. Location: 4 N18 9 (EW) 28 1/4 NW 1/4 SW 1/4 SE  
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55- 547817 (Required)
5. Permit No. \_\_\_\_\_ (If issued)

## DESCRIPTION OF WELL

6. Total depth of hole 370 ft.
7. Type of casing Sch. 40 LGS, Sch. 80 PVC
8. Diameter and length of casing 5 9/16 in. from 150 to 349.9 in from \_\_\_\_\_ to \_\_\_\_\_
9. Method of sealing at reduction points \_\_\_\_\_
10. Perforated from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_
11. Size of cuts \_\_\_\_\_ Number of cuts per foot \_\_\_\_\_
12. If screen was installed: Length 39.7 ft. Diam 5 9/16 in. Type 0.080 slot Sch. 80 PVC
13. Method of construction DRILLED  
(drilled, dug, driven, bored, jetted, etc)
14. Date started MAY 7 1995  
Month Day Year
15. Date completed MAY 9 1995  
Month Day Year
16. Depth to water 115 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available  
from top of casing
18. If flowing well, state method of flow regulation: \_\_\_\_\_

19. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

Registration No. 547817  
File No. \_\_\_\_\_  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered ENTERED JUL 1 1995

## LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wa is artesian, indicate depth at which encountered, and depth to which it rose in well.

[illegible]

I hereby certify that this well was drilled by me (or under my supervision) and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: David L. Stewart  
PO Box 2067  
 Street  
Millan NM 87021 505-87-8788  
 City State Zip Phone No.  
4/27/95  
 Date

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**

500 North Third Street, Phoenix, Arizona 85004-3903

Phone (602) 417-2470 Fax (602) 417-2422

**REQUEST FORM TO CHANGE WELL INFORMATION  
OWNERSHIP \* DRILLER \* VARIANCE**

Please complete the appropriate section of this request form and return to the above address with applicable fee.  
**NOTE:** A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

**1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)**

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- 547817 FILE NO: D(4-9)28 DCB

If known, I/We request the following well information be changed: \_\_\_\_\_

NAME CHANGE ONLY

Date \_\_\_\_\_ Signature of Current Well Owner \_\_\_\_\_

**2. STATEMENT OF CHANGE OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)**

**NOTE:** If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, \_\_\_\_\_, state that I am the Previous/New Owner of the well described below:

$\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  of Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
10 Acre 40 Acre 160 Acre

Well Registration No. 55- See attached File No.: \_\_\_\_\_ (if known)

Magma Copper Company  
PRINT Previous Owner's Name

BHP Copper Inc.  
PRINT New Owner's Name

7400 North Oracle Road, Suite 200  
Mailing Address

7400 North Oracle Road, Suite 200  
Mailing Address

Tucson Arizona 85704  
City State Zip

Tucson Arizona 85704  
City State Zip

520-575-5600  
Telephone Number

520-575-5600  
Telephone Number

Signature of Previous/New Well Owner By: [Signature]  
Title: Land Manager

Date x 7-23-98

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**

500 North Third Street, Phoenix, Arizona 85004-3903

Phone (602) 417-2470 Fax (602) 417-2422

**3. REQUEST TO CHANGE WELL DRILLER     \$10.00 FEE REQUIRED FOR EACH WELL**

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well.

Well Registration No. 55- \_\_\_\_\_ File No: \_\_\_\_\_

\_\_\_\_\_  
Original Well Driller

\_\_\_\_\_  
New Well Driller

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
Typed or Printed Name of Well Owner

\_\_\_\_\_  
Signature of Well Owner

\_\_\_\_\_  
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

**4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL)**

**NOTE:** If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811.

WELL REGISTRATION NO. 55- \_\_\_\_\_ FILE NO: \_\_\_\_\_

**I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:**

Signature of Well Owner/Well Driller \_\_\_\_\_ Date \_\_\_\_\_

## NAME: MAGMA COPPER CO

GRID: K 09

REPORT NO: WL9020

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT  
OPERATIONS DIVISION

PAGE 5,082

REPORT DATE: 1/21/95

\*\*\* WELLS SEQUENCED BY ALPHABETICAL ORDER \*\*\*

| PULL-NAME   | Q<br>J<br>A<br>D | Y<br>C<br>4<br>N | R<br>N<br>E<br>T | S<br>E<br>C<br>T | WELL<br>REF NO | DEPTH<br>FEET | DEPTH<br>CASED | CD<br>AT<br>SA<br>CY | WATER<br>LEVEL | PUMP<br>(GPM) | WELL<br>DRILL<br>DATE | DL<br>LIC<br>NO. | WTR<br>USE | MS<br>AH<br>TE<br>RD | L<br>C<br>G<br>T | O<br>W<br>N |
|---|------------------|------------------|------------------|------------------|----------------|---------------|----------------|----------------------|----------------|---------------|-----------------------|------------------|------------|----------------------|------------------|-------------|
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 33 B B C         | 55-547814      | 0270          | 0257           | 05                   | 0090           | 00014         | 5/25/1995             | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 33 B B C         | 55-547815      | 0510          | 0485           | 05                   | 0108           | 00014         | 5/21/1995             | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD<br>TUCSON AZ 85704      | D                | 4.0              | 9.0              | 34 B B C         | 55-547816      |               |                |                      |                | 00032         |                       | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD<br>TUCSON AZ 85704      | D                | 4.0              | 9.0              | 33 B A C         | 55-547817      | 0470          | 0365           | 05                   | 0136           | 00014         | 6/16/1995             | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 28 D C C         | 55-547815      | 0590          | 0583           | 05                   | 0144           | 00014         | 3/30/1995             | 028              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD #200<br>TUCSON AZ 85704 | A                | 1.0              | 15.0             | 14 C C A         | 55-546985      |               |                |                      |                |               |                       | 360              | M          | 07                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 28 D C B         | 55-547816      | 0290          | 0268           | 05                   | 0117           | 00014         | 5/12/1995             | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 28 D C B         | 55-547817      | 0370          | 0349           | 05                   | 0115           | 00014         | 5/09/1995             | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 28 D C B         | 55-547818      | 0510          | 0500           | 05                   | 0126           | 00014         | 5/05/1995             | 314              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ 85704  | D                | 4.0              | 9.0              | 29 D C B         | 55-547819      |               |                |                      |                | 00020         |                       | 028              | M          | 08                   | X X              |             |
| MAGMA COPPER CO<br>7400 N ORACLE RD #200<br>TUCSON AZ 85704 | A                | 1.0              | 15.0             | 23 B A D         | 55-546986      |               |                |                      |                |               |                       | 360              | M          | 07                   | X X              |             |

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**

500 North Third Street, Phoenix, Arizona 85004-3903  
Phone (602) 417-2470 Fax (602) 417-2422

**REQUEST FORM TO CHANGE WELL INFORMATION  
OWNERSHIP \* DRILLER \* VARIANCE**

Please complete the appropriate section of this request form and return to the above address with applicable fee.  
**NOTE:** A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

**1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)**

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- 547818 FILE NO: D(4-9)28 DCB

If known, I/We request the following well information be changed: \_\_\_\_\_

NAME CHANGE ONLY

Date \_\_\_\_\_ Signature of Current Well Owner \_\_\_\_\_

**2. STATEMENT OF CHANGE OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)**

**NOTE:** If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, \_\_\_\_\_, state that I am the Previous/New Owner of the well described below:

$\frac{1}{10}$  Acre     $\frac{1}{40}$  Acre     $\frac{1}{160}$  Acre of Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Well Registration No. 55- See attached File No.: \_\_\_\_\_ (if known)

Magma Copper Company  
PRINT Previous Owner's Name

BHP Copper Inc.  
PRINT New Owner's Name

7400 North Oracle Road, Suite 200  
Mailing Address

7400 North Oracle Road, Suite 200  
Mailing Address

Tucson    Arizona    85704  
City    State    Zip

Tucson    Arizona    85704  
City    State    Zip

520-575-5600  
Telephone Number

520-575-5600  
Telephone Number

Signature of Previous/New Well Owner By: [Signature]  
Title: Land Manager

Date x 7-25-98

ENTERED 7-25-98  
MAG

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street, Phoenix, Arizona 85004-3903  
Phone (602) 417-2470 Fax (602) 417-2422

**3. REQUEST TO CHANGE WELL DRILLER     \$10.00 FEE REQUIRED FOR EACH WELL**

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well.

Well Registration No. 55- \_\_\_\_\_ File No: \_\_\_\_\_

\_\_\_\_\_  
Original Well Driller

\_\_\_\_\_  
New Well Driller

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
Typed or Printed Name of Well Owner

\_\_\_\_\_  
Signature of Well Owner

\_\_\_\_\_  
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

**4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL)**

**NOTE:** If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811.

WELL REGISTRATION NO. 55- \_\_\_\_\_ FILE NO: \_\_\_\_\_

**I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:**

Signature of Well Owner/Well Driller \_\_\_\_\_ Date \_\_\_\_\_

## NAME: MAGMA COPPER CO

GRID: K 09

REPORT NO: WLR320

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT  
OPERATIONS DIVISION

PAGE 3, C82

REPORT DATE: 1/31/96

\*\*\* WELLS SEQUENCED BY ALPHABETICAL ORDER \*\*\*

| WELL NAME  | Q | T   | R    | S  | D | R | WELL NO   | WELL DEPTH | DEPT. CASED | CD | WATER LEVEL | PUMP (GPM) | WELL DRILL DATE | DPL. NO. | MTR USE | MS SH. RD | L C | C |
|--|---|-----|------|----|---|---|-----------|------------|-------------|----|-------------|------------|-----------------|----------|---------|-----------|-----|---|
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 33 | D | B | 55-547814 | 0270       | 0257        | 05 | 0090        | 00014      | 5/25/1995       | 314      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 33 | S | B | 55-547815 | 0310       | 0485        | 05 | 0108        | 00014      | 5/21/1995       | 314      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD<br>TUCSON AZ     | D | 4.0 | 9.0  | 34 | D | B | 55-547816 |            |             |    |             | 00032      |                 | 314      | M       | 08        | I   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD<br>TUCSON AZ     | D | 4.0 | 9.0  | 33 | D | A | 55-547817 | 0470       | 0365        | 05 | 0136        | 00014      | 5/16/1995       | 314      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 28 | B | C | 55-547818 | 0590       | 0583        | 05 | 0144        | 00014      | 3/30/1995       | 028      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | A | 1.0 | 15.0 | 14 | D | C | 55-546985 |            |             |    |             |            |                 | 360      | M       | 07        | I   | N |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 28 | D | C | 55-547816 | 0290       | 0268        | 05 | 0117        | 00014      | 5/10/1995       | 314      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 28 | D | C | 55-547817 | 0370       | 0349        | 05 | 0115        | 00014      | 5/09/1995       | 314      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 28 | D | C | 55-547818 | 0310       | 0500        | 05 | 0126        | 00014      | 5/06/1995       | 314      | M       | 08        | X   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | D | 4.0 | 9.0  | 28 | D | C | 55-547819 |            |             |    |             | 00030      |                 | 028      | M       | 08        | I   | X |
| MAGMA COPPER CO<br>7400 N ORACLE RD 162<br>TUCSON AZ | A | 1.0 | 15.0 | 23 | B | A | 55-546986 |            |             |    |             |            |                 | 360      | M       | 07        | I   | N |



## MONITOR/PIEZOMETER WELL

## ARIZONA DEPARTMENT OF WATER RESOURCES

DEPARTMENT OF WATER RESOURCES  
MONITOR/PIEZOMETER WELL

FILING FEE \$10.00

500 NORTH THIRD STREET

FEB 1 1995 FILING FEE \$10.00

PHOENIX, ARIZONA 85004 (602) 417-2470

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL OPERATIONS DIV.

Section § 45-596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well, a Notice of Intention to Drill shall be filed with the Department.

## 1. WELL LOCATION:

4 NS 9 EW 28  
Township Range Section  
NW 1/4 SW 1/4 SE 1/4  
10 ACRE 40 ACRE 160 ACRE

## 2. Position location of the well on the land:

Latitude 33° 0' 2.50"  
Longitude 111° 0' 25.30"

## 3. County: Pinal

## 4. Owner of the land of wellsite:

Magma Copper Company  
Name  
7400 N. Oracle Rd., Ste. 200  
Address  
Tucson AZ 85704  
City State Zip

## 5. Lessee of the land of wellsite:

Name  
Address  
City State Zip

## 6. Owner of well:

Magma Copper Company  
Name  
7400 N. Oracle Rd., Ste. 162  
Address  
Tucson AZ 85704  
City State Zip

## 7. Consulting Firm: EC

Contact Person: Steve Mellon  
Phone: 602-222-4445

## 8. Purpose of well drilled pursuant to this notice

Monitor X  
Piezometer

## 9. If for deepening or modifying, Well Registration Number

55-

## 10. Construction will start:

February 1995  
Month Day Year

## 11. Period well will remain in

use 3 Months/Years

## 12. For monitoring wells, is pump equipment to be installed?

Yes No X

(a) If yes, design pump capacity

(b) What use will be made of the water

## 13. Drilling firm:

Boyles Brothers Drilling Co  
Name  
6527 W. Northview Ave.  
Address  
Glendale AZ 85301  
City State Zip  
DWR License No. 28  
Class A-04  
076-386-002  
ROC License classification

## 14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material or petroleum storage areas and tanks?

Yes No X

## 16. Proposed method of abandonment of well after project is completed: According to Regulation R-12-15-816

## 17. Is this well to monitor existing contamination? No Potential contamination Please explain:

## GENERAL INSTRUCTIONS

- Fill out this form in **DUPLICATE** and send **WITH \$10.00 FEE** to 500 NORTH THIRD STREET, PHOENIX, AZ 85004
- For specific instructions, limitations and conditions, see the reverse side of this form.
- Must be signed by land owner or lessee.
- Section §45-596(D), provides that the Director shall determine that all information required on form has been submitted. If not, the person filing will be notified and the drilling, deepening, or modification of the well may **not** proceed.

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

Dan S. Ramey  
Typed or Printed Name

Signature [ ] Land Owner [ ] Lessee of wellsite

1/26/95  
Date

18. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? \_\_\_\_\_  
 If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? \_\_\_\_\_
19. WELL CONSTRUCTION PLAN
- a) Drilling method (mud rotary, hollow-stem auger, etc.) Mud Rotary
- b) Borehole diameters: 13 3/4 inches from 0 feet to 20 feet.  
8 3/4 inches from 20 feet to 320 feet.
- c) Casing materials (PVC, steel, hollow-stem auger, etc.)  
 material Steel diameter 9 5/8 inches from 0 feet to 20 feet  
 material Sch 80 PVC diameter 4 inches from 0 feet to 270 feet
- d) Method of sealing at reductions \_\_\_\_\_
- e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated)  
 material Cement Grout method Tremie from 0 feet to 20 feet  
 material Bentonite Grout method Tremie from 20 feet to 260 feet
- f) Filter packs (state material);  
 material Colorado Silica Sand from 260 feet to 320 feet  
 material #6-9 Mesh from \_\_\_\_\_ feet to \_\_\_\_\_ feet
- g) Perforations or screen specifications:  
 type .080 inch slot PVC Sch 80 from 270 feet to 310 feet  
 type \_\_\_\_\_ from \_\_\_\_\_ feet to \_\_\_\_\_ feet
- h) Method of well development (bail, air lift, surge) Air Lift and Jetting
- i) Will surface or conductor casing extend above grade: Yes \_\_\_\_\_ No X
20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

## CONDITIONS

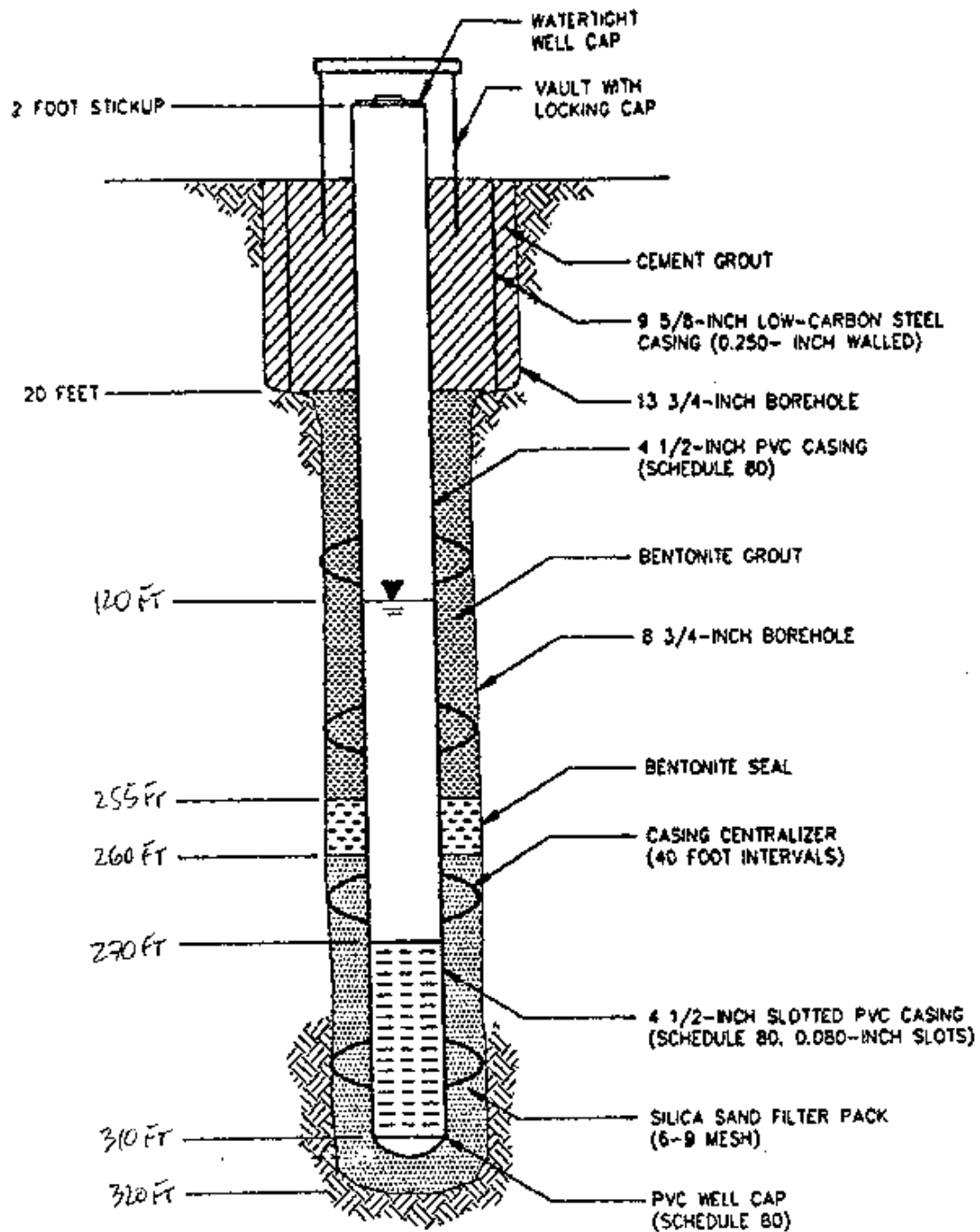
- I. Construction and abandonment standards for all wells shall be in accordance with A.A.C. R12-15-811 and R12-15-816.
- II. Drilling of the well shall be completed within one (1) year after the date of Notice.
- III. A Well Driller Report, is required within 30 days of completion of drilling. A Completion Report, is required to be filed with the Department within 30 days after installation of pump equipment for monitor wells.
- IV. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual volume of 10 acre feet total.
- V. A.A.C. Rule R12-15-811.H.2, requires that: "A monitor well shall be identified as such on the vault cover or at the top of the steel casing. Identification information will include well registration number."
- VI. Special construction standards required pursuant to A.A.C. Rule R12-15-821: \_\_\_\_\_

Mil-gc

DEPARTMENT OF WR

FEB 1 1995

OPERATIONS DIV.



N.T.S.

NOTES:

1. PVC = POLYVINYL CHLORIDE
2. CASING DIMENSIONS ARE OUTSIDE DIAMETER

**WELL DESIGN**

**BROWN AND CALDWELL**

# ARIZONA DEPARTMENT OF WATER RESOURCES

500 N 3RD ST., PHOENIX, AZ, 85004

Telephone (602) 417-2470

Fax (602) 417-2401



FRED SYMINGTON  
Governor

RITA F. PEARSON  
Director

February 9, 1995

MAGMA COPPER  
7400 N. ORACLE RD, S162  
TUCSON, AZ. 85704

RE: Registration No. 55-547813 THRU 55-547819

File No. VARIOUS

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

For additional information, you may contact the Operations Division at (602) 542-1581.

Sincerely,

A handwritten signature in cursive script that reads "Ellen Kane".

Ellen Kane

Groundwater Permit Specialist

3636 N. CENTRAL AVE., S300  
PHOENIX, AZ. 85012

STATE OF ARIZONA  
DEPARTMENT OF WATER RESOURCES  
OPERATIONS DIVISION  
15 SOUTH 15TH AVENUE  
PHOENIX, ARIZONA 85007  
(602) 542-1581

ENTRY CODE 55

FILE NO. VARIOUS 547814 THRU 547819

| ITEM DESCRIPTION                  | RATE    | AMOUNT  |
|-----------------------------------|---------|---------|
| FILING FEE FOR NOI TO DRILL WELLS | \$10.00 | \$60.00 |
|                                   |         |         |
|                                   |         |         |
|                                   |         |         |
|                                   |         |         |
|                                   |         |         |
|                                   |         |         |
|                                   |         |         |
|                                   |         |         |
| 2/9/95/ek CK#7531                 |         | \$60.00 |

CHECK NO. \_\_\_\_\_ FEE ACCOUNT NO. \_\_\_\_\_ TOTAL \$ \_\_\_\_\_  
CHIT NO. \_\_\_\_\_ RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
PS 1821 - Rev. 4/91

# ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street  
Phoenix, Arizona 85004 Telephone (602) 417-2470

## 3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm PRIOR to the drilling or completion of any well.

Well Registration No. SS- 547817 File No. D(4-9)28 dcb

BOYLES BROTHERS DRILLING  
Original Well Driller

STEWART BROTHERS DRILLING CO.  
New Well Driller

6527 W. NORTHVIEW AVE.  
Mailing Address GLENDALE, AZ 85301

P.O. Box 2067 MILAN, NM 87024  
Mailing Address

28  
ADWR License Number

314  
ADWR License Number

CLASS A - 04 - 076-386-002  
R.O.C. License Number

A-04 Lic. # 075379  
R.O.C. License Number

JOHN. T. KLINE John T. Kline 5/25/95  
Typed or Printed Name of Well Owner Signature of Well Owner Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

DWR-55-71-8/94(Rev)

ENTERED JUN 20 1995

JUN 6 1995

# ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street  
Phoenix, Arizona 85004 Telephone (602) 417-2470

## REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP \* DRILLER

Please complete the appropriate section of this request form and return to the above address with applicable fee. **NOTE:** A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

### 1. CHANGE OF WELL INFORMATION

NO FEE REQUIRED

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

Well Registration No. 55-\_\_\_\_\_ File No. \_\_\_\_\_ (If known)

I/We request the following well information be changed: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_ Signature of Current Well Owner \_\_\_\_\_

### 2. STATEMENT OF CHANGE OF WELL OWNERSHIP

\$10.00 FEE REQUIRED

If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate \$10.00.

I, \_\_\_\_\_, state that I am the Previous/New Owner of the well described below:

\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4; Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
10 acre 40 acre 160 acre

Well Registration No. 55-\_\_\_\_\_ File No. \_\_\_\_\_ (If known)

PRINT Previous Owner's Name

PRINT New Owner's Name

Mailing Address

Mailing Address

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone

Telephone

Date \_\_\_\_\_ Signature of Previous/New Well Owner \_\_\_\_\_

DWR-55-71-8/94(Rev)

# ARIZONA DEPARTMENT OF WATER RESOURCES

## OPERATIONS DIVISION

500 North Third Street  
Phoenix, Arizona 85004-3903  
Phone (602) 417-2470

**REISSUE**

**DUPLICATE**

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-547818 THRU 55-547818

AUTHORIZED DRILLER: STEWART BROTHERS DRILLING

LICENSE NO. 314

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER CO.

7400 N. ORACLE RD., S162

TUCSON

AZ 85704

The well(s) is/are to be located in:

NW 1/4 SW 1/4 SE 1/4 Section 28 Township 4.0 SOUTH Range 9.0 EAST  
10 acre 40 acre 160 acre

NUMBER OF WELLS IN PROJECT: 3

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON JAN 31ST, 1998

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF  
COMPLETION OF DRILLING.



  
CHIEF, OPERATIONS DIVISION



# ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue  
Phoenix, Arizona 85007

M11-GL

Registration No. SS-547817

File No. D(4-9) 28 dec

## COMPLETION REPORT

1. Per A.R.S. § 45-600, the Completion Report is to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

### LOCATION OF THE WELL:

4 N/S Township      9 E/W Range      28 Section      NW 1/4 10-acre      SW 1/4 40-acre      SE 1/4 160-acre

### EQUIPMENT INSTALLED:

Kind of pump GRUNDFOS SUBMERSIBLE TURBINE  
Turbine, centrifugal, etc.

Kind of power ELECTRIC H.P. Rating of Motor 1.0  
Electric, natural gas, gasoline, etc.

Pumping Capacity 5-14 GPM Date pump installed: AUGUST 1995  
Gallons per minute

### WELL TEST:

Test pumping capacity 13 GPM Date Well Tested: 8/16/95  
Gallons per minute

Method of Discharge Measurement FLOW METER  
Weir, orifice, current meter, etc.

Static Groundwater Level 128.52 ft. Drawdown 12.73 ft.

Total Pumping Lift 141.25 ft. Drawdown — lbs.  
(Flowing Well) —

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

ENTERED SEP 21 1995

Sept 14, 19 95  
Date

MAGMA COPPER COMPANY  
Print Well Owner's Name

[Signature]  
Signature of Well Owner or Agent

14605 East Hunt Highway

Address

Florence AZ 85232

City State Zip

